

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch

690 Walnut Ave.St. 150

Vallejo, CA 94592-1133

(707) 649-5453

(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-002107**Date Inspected:** 27-Mar-2008**Project Name:** SAS Superstructure**OSM Arrival Time:** 630**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1730**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

<b>CWI Name:</b>	N/A			<b>CWI Present:</b>	Yes	No	
<b>Inspected CWI report:</b>	Yes	No	N/A	<b>Rod Oven in Use:</b>	Yes	No	N/A
<b>Electrode to specification:</b>	Yes	No	N/A	<b>Weld Procedures Followed:</b>	Yes	No	N/A
<b>Qualified Welders:</b>	Yes	No	N/A	<b>Verified Joint Fit-up:</b>	Yes	No	N/A
<b>Approved Drawings:</b>	Yes	No	N/A	<b>Approved WPS:</b>	Yes	No	N/A
				<b>Delayed / Cancelled:</b>	Yes	No	N/A
<b>Bridge No:</b>	34-0006			<b>Component:</b>	OBG		

**Summary of Items Observed:**

This QAI performed UT for depth of penetration on the Production Monitoring Test (PMT) PMT-1 DP118-001/DP407-001 on gantry number 2. The overall testing passed with limited findings in weld joint 3. There was one area in the weld less than 25 millimeters in length that had penetration between 70% and 80%.

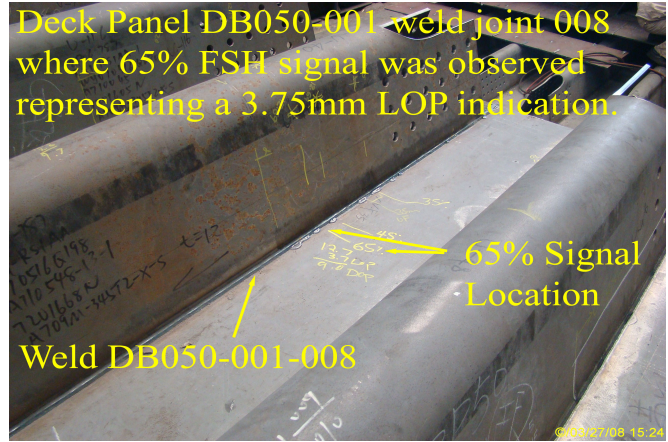
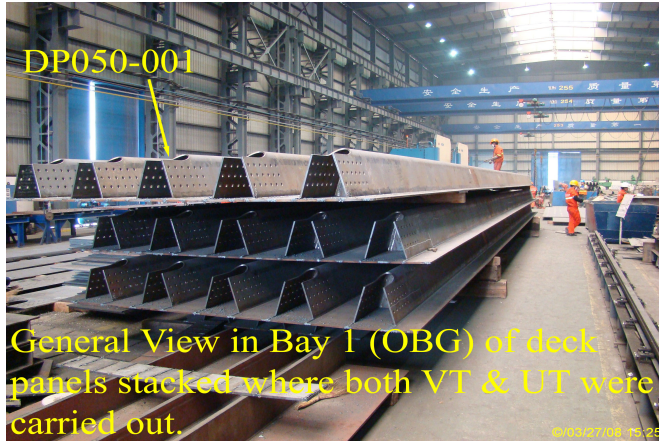
This Quality Assurance Inspector (QAI) performed ultrasonic testing (UT) for depth of penetration on the deck panel DP050-001 welds 001 through 010 through paint and before the ZPMC UT Technicians. Coverage was 15% of each weld length. Welds 001 through 004 and 006 through 010 were found to have areas of less than 80% penetration. No areas of penetration less than 80% were found in weld 005. The TL-6027 Modified UT report was completed and forwarded to the Assistant Structural Materials Representative (ASMR) Ady Velasco and the Task Leader Craig Hager.

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## WELDING INSPECTION REPORT

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### Summary of Conversations:

No conversations held today.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Mazen Wahbeh, (818) 292-0659, who represents the Office of Structural Materials for your project.

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**Inspected By:** Berger, Bruce

Quality Assurance Inspector

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**Reviewed By:** Hager, Craig

QA Reviewer